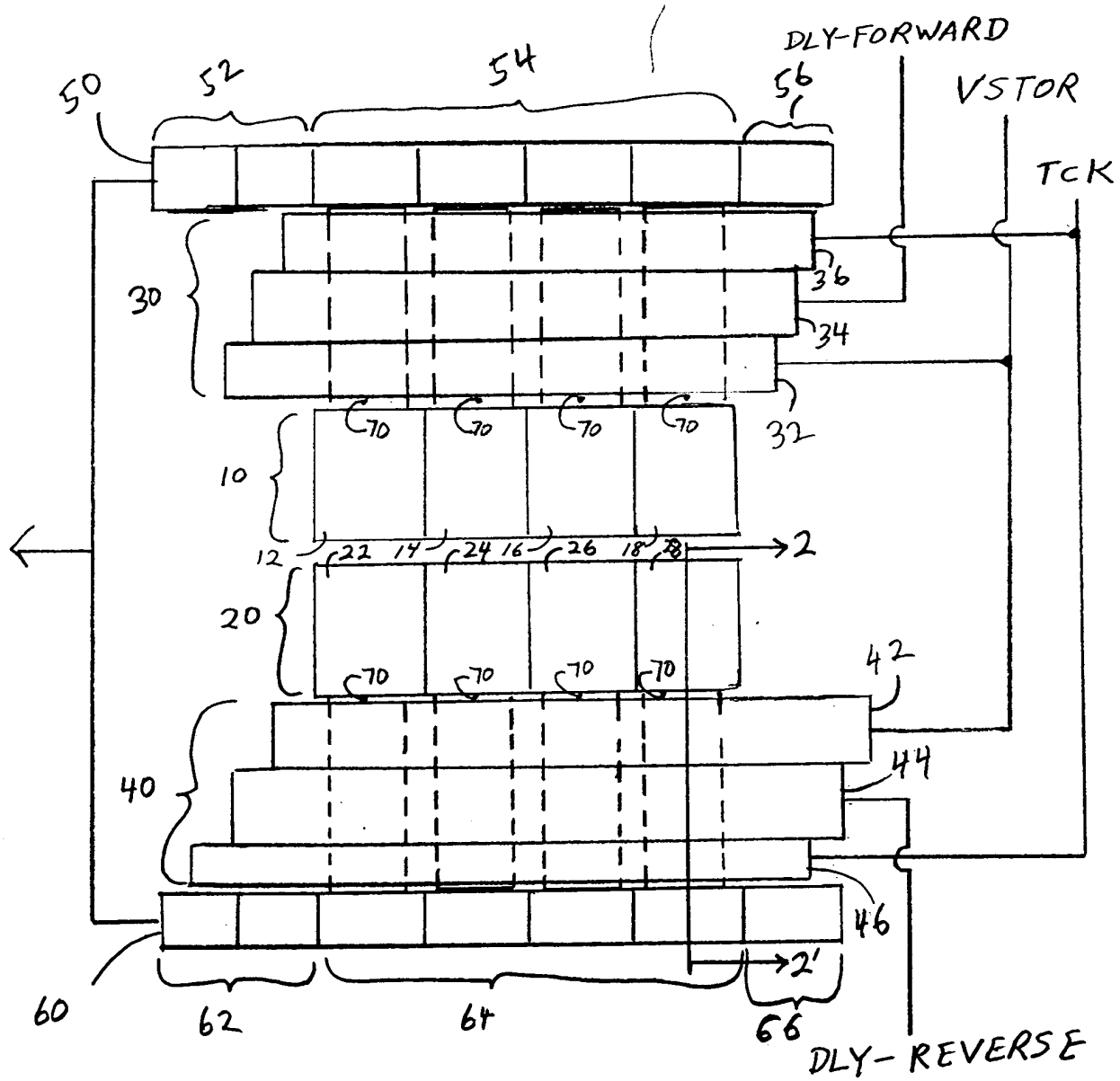
DLY-FORWARD
VSTOR
TCK
50
52
54
56
30
36
34
32
10
70
12
22
14
24
16
26
18
28
2
20
42
40
44
46
60
62
64
66
2'
DLY-REVERSE

FIG. 1

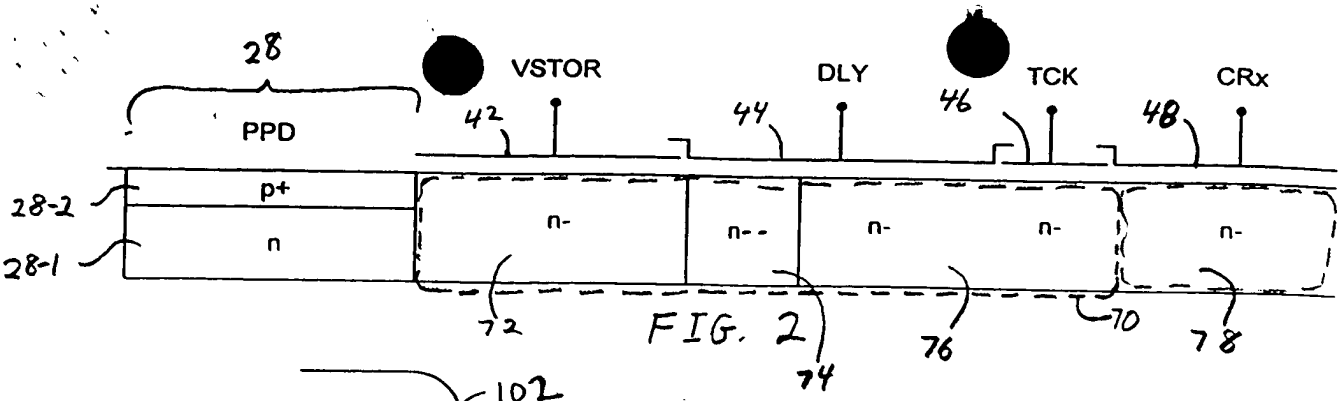

FIG. 2

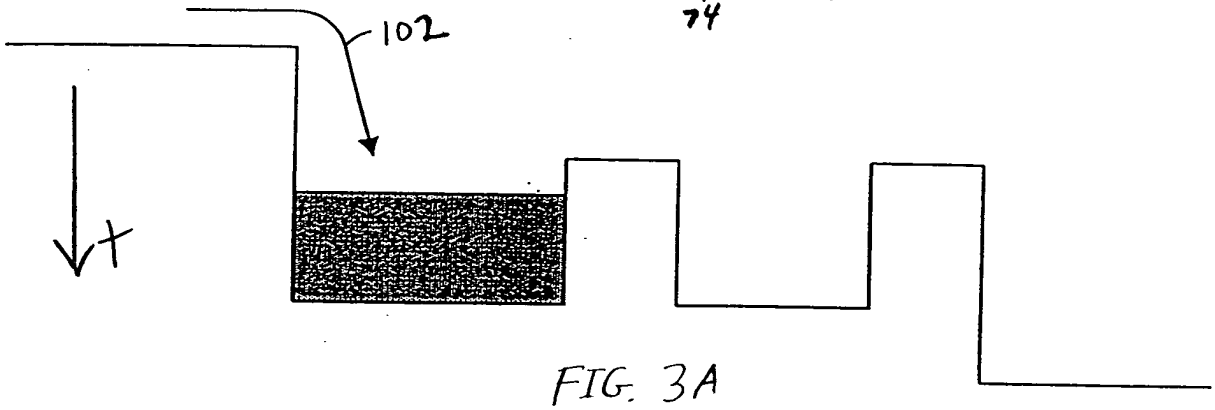

FIG. 3A

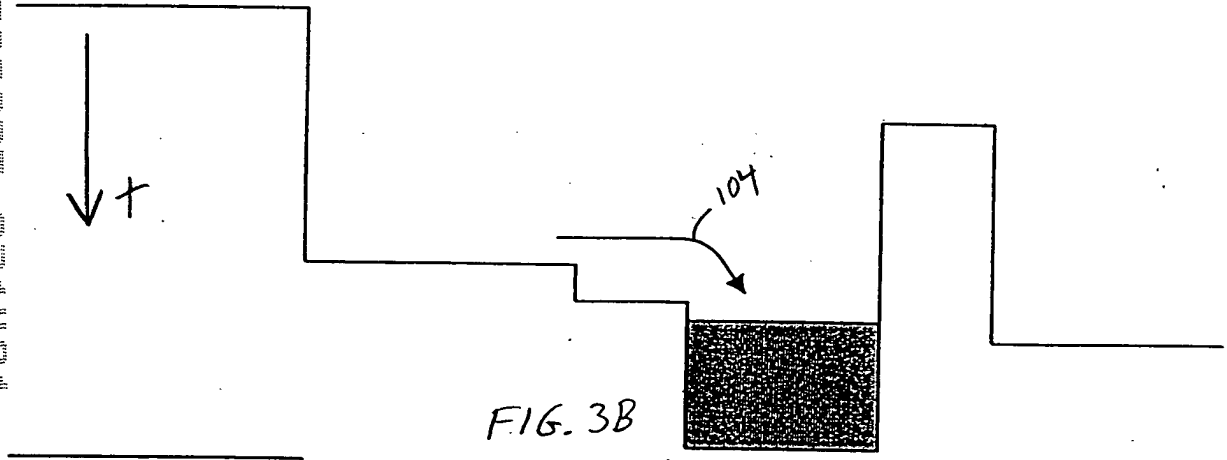

FIG. 3B

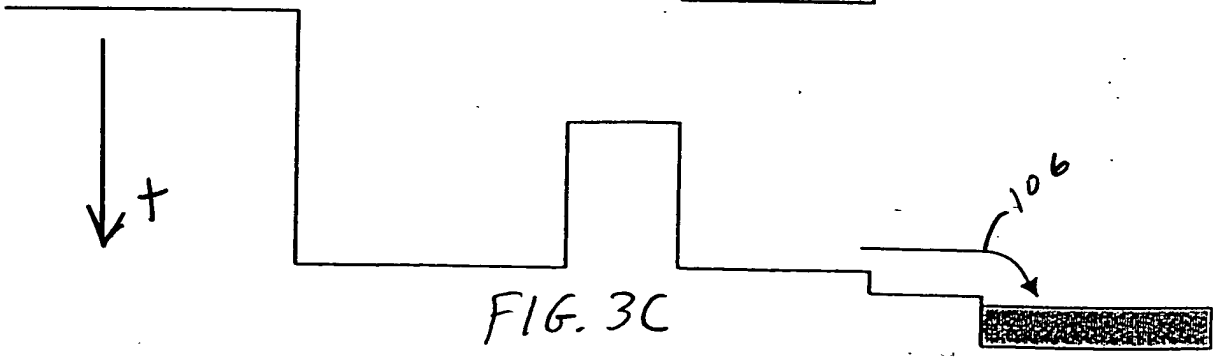

FIG. 3C

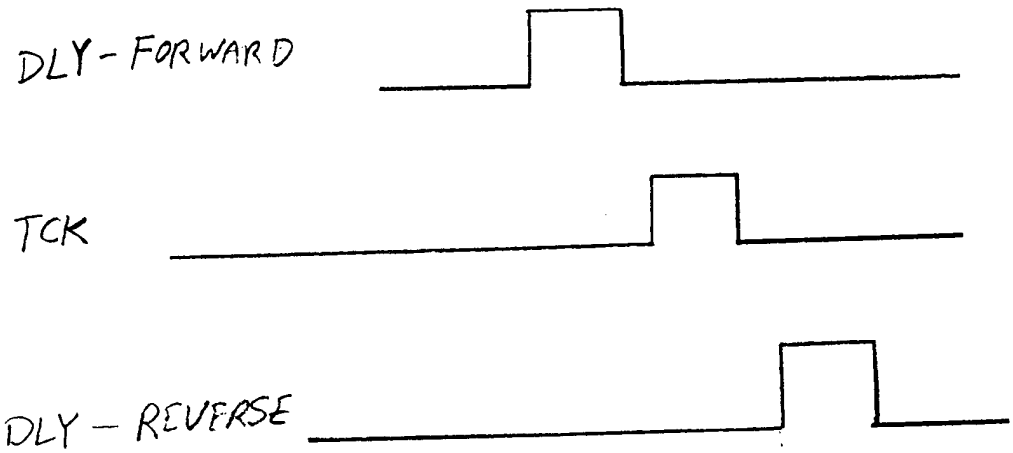

FIG. 4

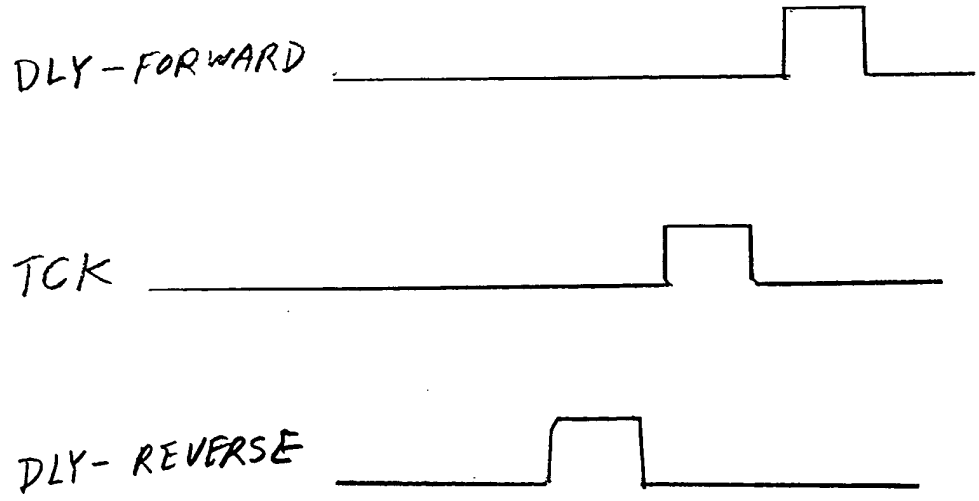

FIG. 5

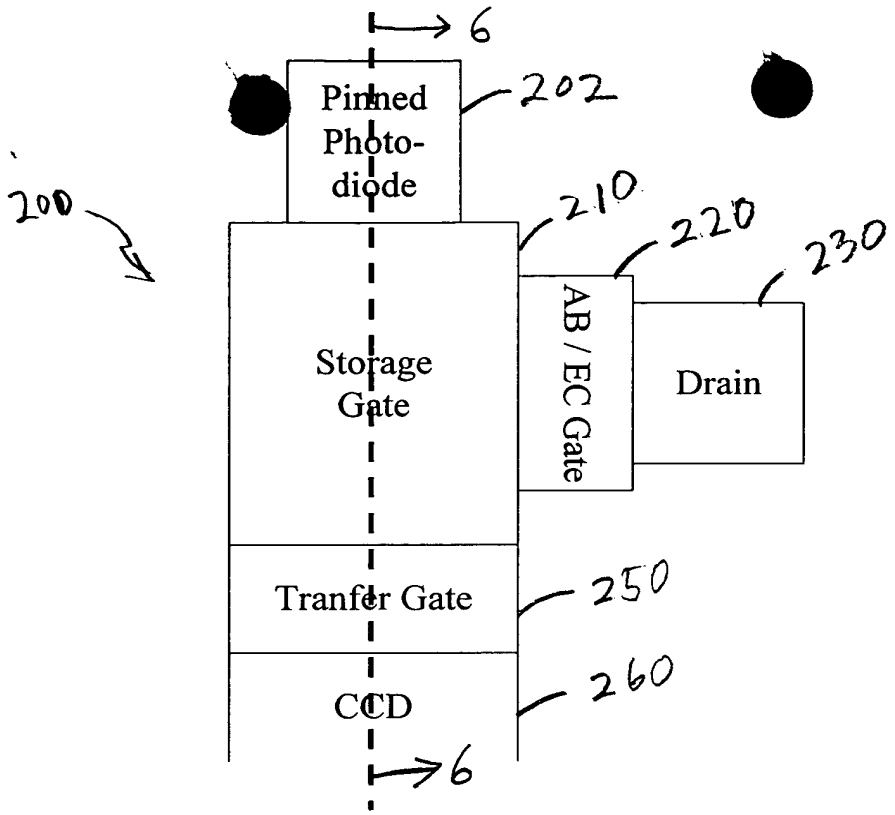
6
Pinned Photo-diode
202
200
210
220
230
AB / EC Gate
Drain
Storage Gate
Tranfer Gate
250
CCD
260
6

FIG. 6

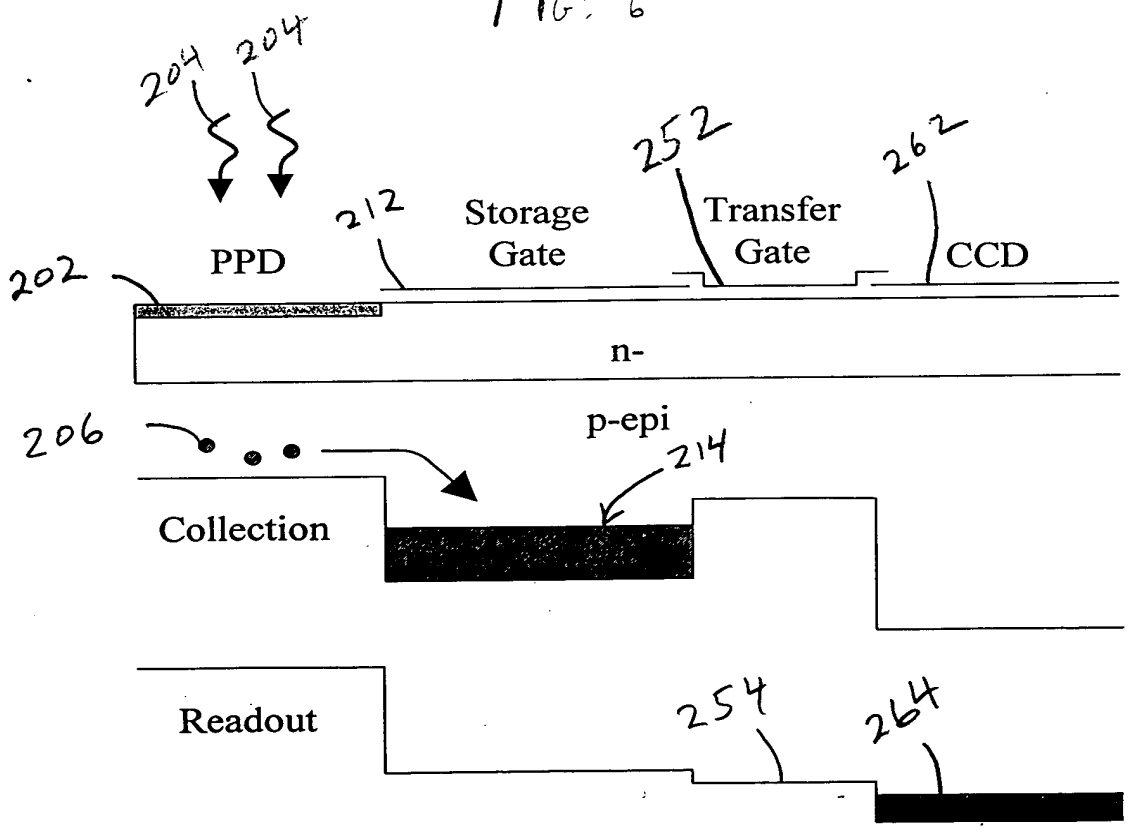
204
204
252
262
212
Storage Gate
Transfer Gate
CCD
PPD
202
n-
206
p-epi
214
Collection
Readout
254
264

FIG. 7

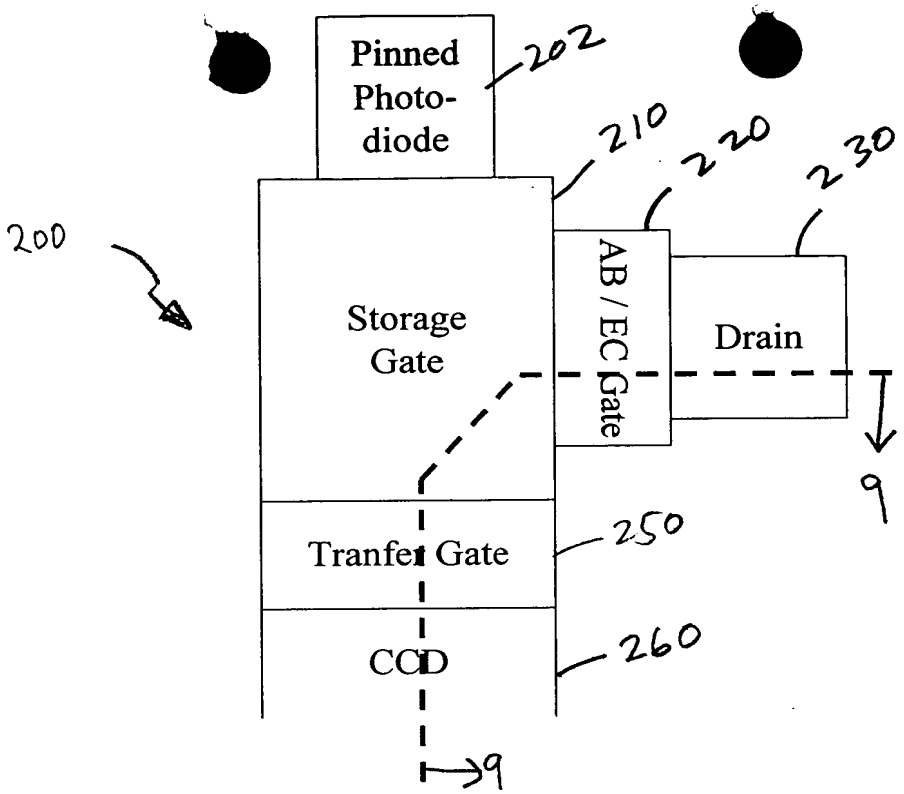
Pinned Photo-diode
202
210
220
230
200
Storage Gate
AB / EC Gate
Drain
9
Tranfer Gate
250
CCD
260
9

FIG. 8

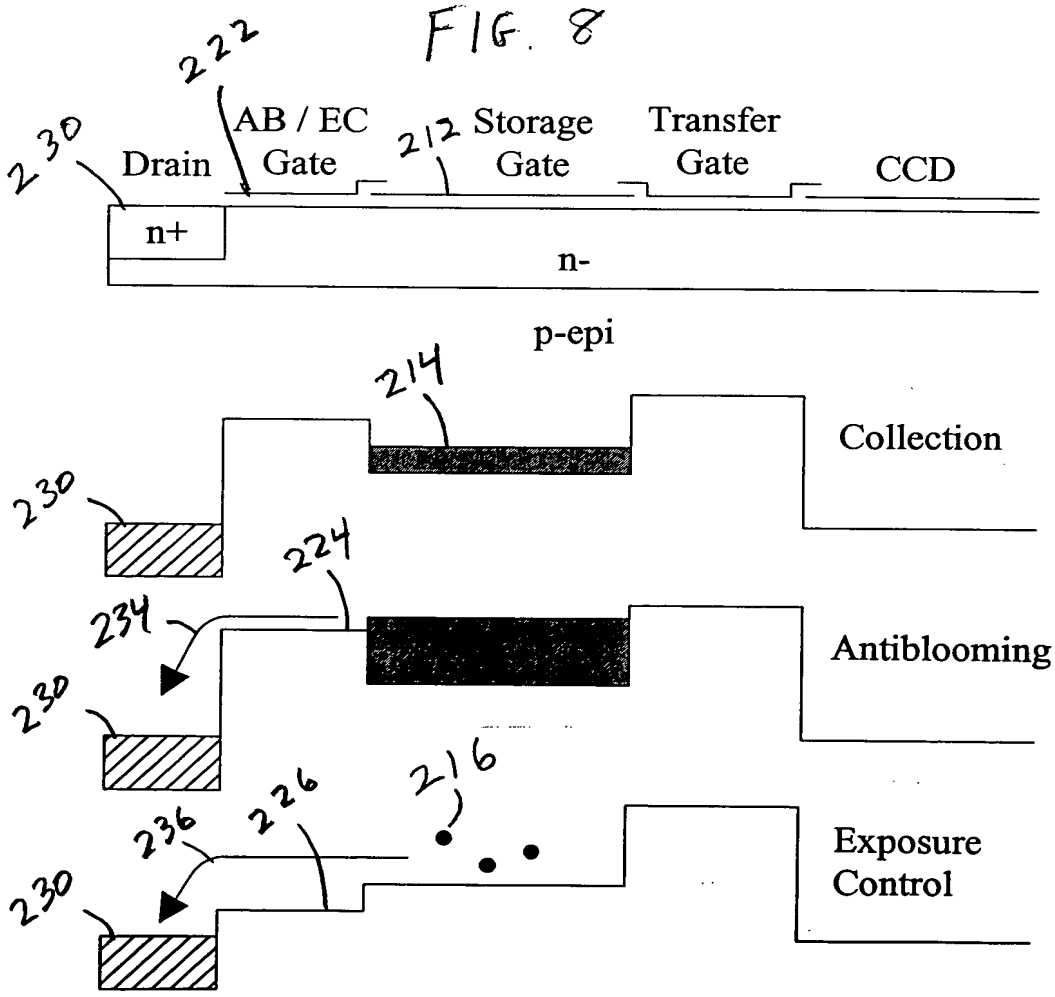
222
230
Drain
AB / EC Gate
212
Storage Gate
Transfer Gate
CCD
n+
n-
p-epi
214
Collection
230
224
234
Antiblooming
230
216
236
226
Exposure Control
230

FIG. 9